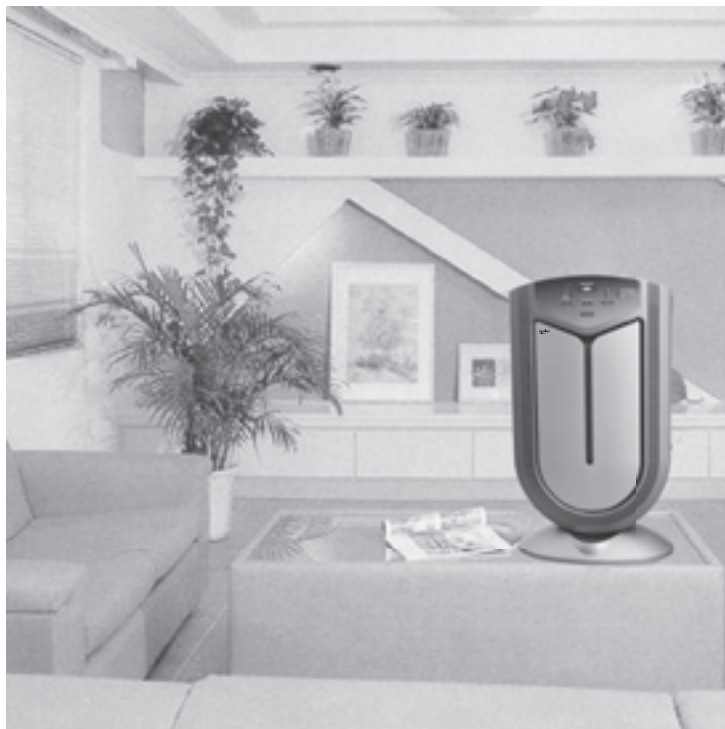


maier®



Bio-HEPA Hybrid Air Purifier

MHI-6800

Thank you for using our product. You have purchased a high-quality product with one-year free product warranty. Your satisfaction means everything to us. We look forward to serving you at all times. To help you operate this device, please read this manual carefully and keep the warranty card in a proper and safe place.

INTELLIGENT AND MULTI-FUNCTION

HEPA
MHI-6800

MAIN FEATURES

- *Automatic air quality control through odor and dust sensors*
- *Gigantic plasma dust collector that is easy to clean*
- *Multiple air intake vents effectively in purification coverage*
- *Large flow rapidly purifies indoor air*
- *Five operation modes for easy control*
- *High-performance HEPA filter services for no less than two years*
- *Effective filtration of particulates as small as 0.1~0.3 micron*
- *Excellent dust collection rate of up to 99.97%*
- *Effectively remove dust, odors and smoke*

SAFETY OPERATION

Ensure that all safety precautions are followed when using electrical appliances for the proper operation of the device.

This instruction booklet describes the safety precautions to be observed during operation to prevent injuries to yourself ,other persons and damage to the device. The content not only is suitable for this product but also suitable for electrical appliances in general.

CAUTION



This machine uses AC 230V/50Hz(Europe) or AC 100~120V/50~60Hz(USA/Japan). Over voltage may cause fire hazard or electric shock.



To prevent fire or electric shock hazard, do not place the unit in wet places where water may enter the device.



To prevent electric shock, do not dismantle, repair or modify this product freely. Maintenance and cleaning shall be processed as exactly as what instructed in this manual. In case of malfunction, please contact the authorized maintenance center.



Do not use fabrics or other materials to cover this device. Obstructed air inlets and outlets will result in abnormal operation of this device that may lead to fire or other accidents.



Do not use in places where flammable and explosive materials are stored.



To prevent interference and distortion, the device should be placed at least 1 meter away from the computer, television or radio.



Do not subject the device to direct sunlight or near high temperature objects. Internal temperature rise in serious cases may cause fire, in mild cases may cause deformation of the outer casing. (Stop operation when ambient temperature exceeds 40°C.)



For safety reasons and to prevent fire or electric shock, unplug the power cord from the electric outlet socket under the following conditions:

- When you do not use the device for a long period.
- When cleaning, servicing the machine or during replacement of filter materials.
- When you move the device.



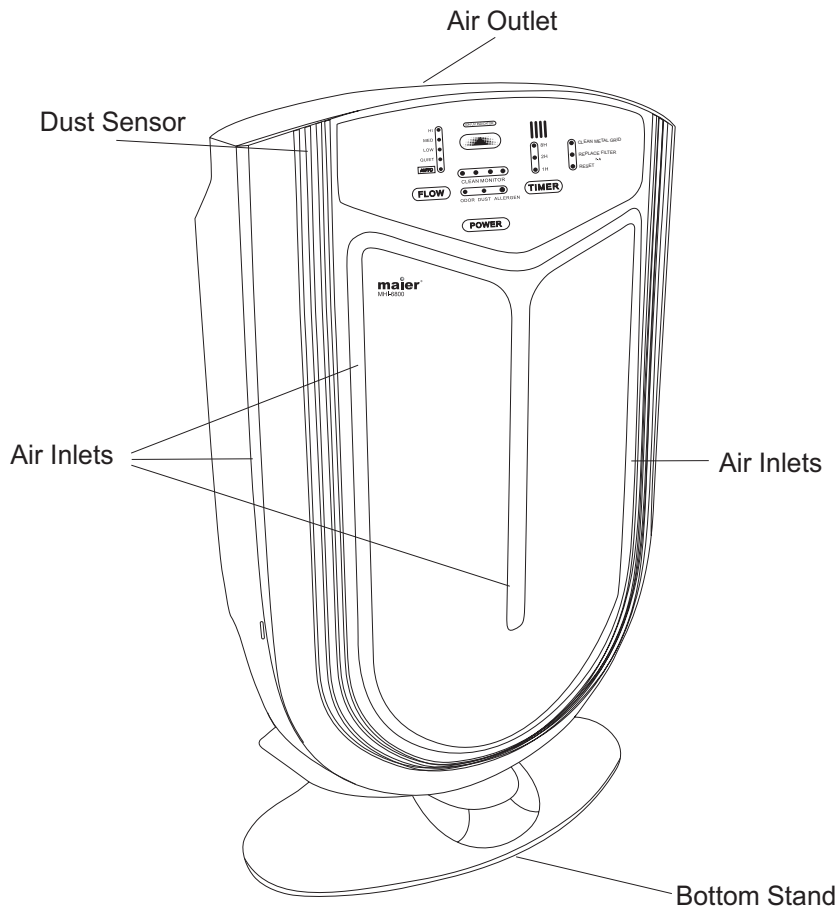
Do not allow foreign objects into the device. High voltage inside the device may cause electric shock. Children should not be allowed to touch or play with this device to avoid accidents.

WARNING

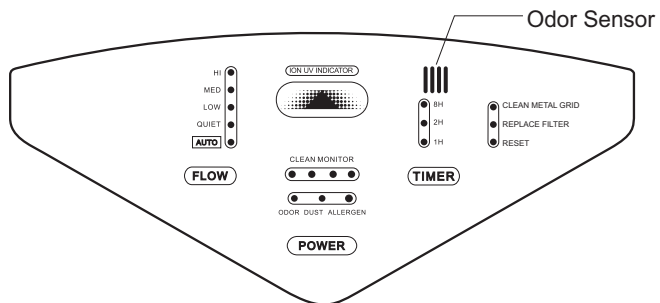
If the power cord is damaged, it must be replaced by the manufacturer, authorized service personnel or similarly qualified persons in order to avoid electric shocks and fire hazards.

Different Parts

[Whole Unit / Front View]

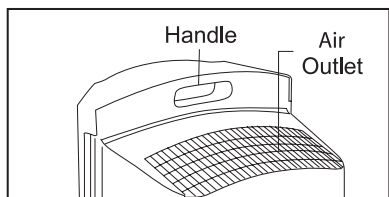


[Whole Unit / Control Panel]

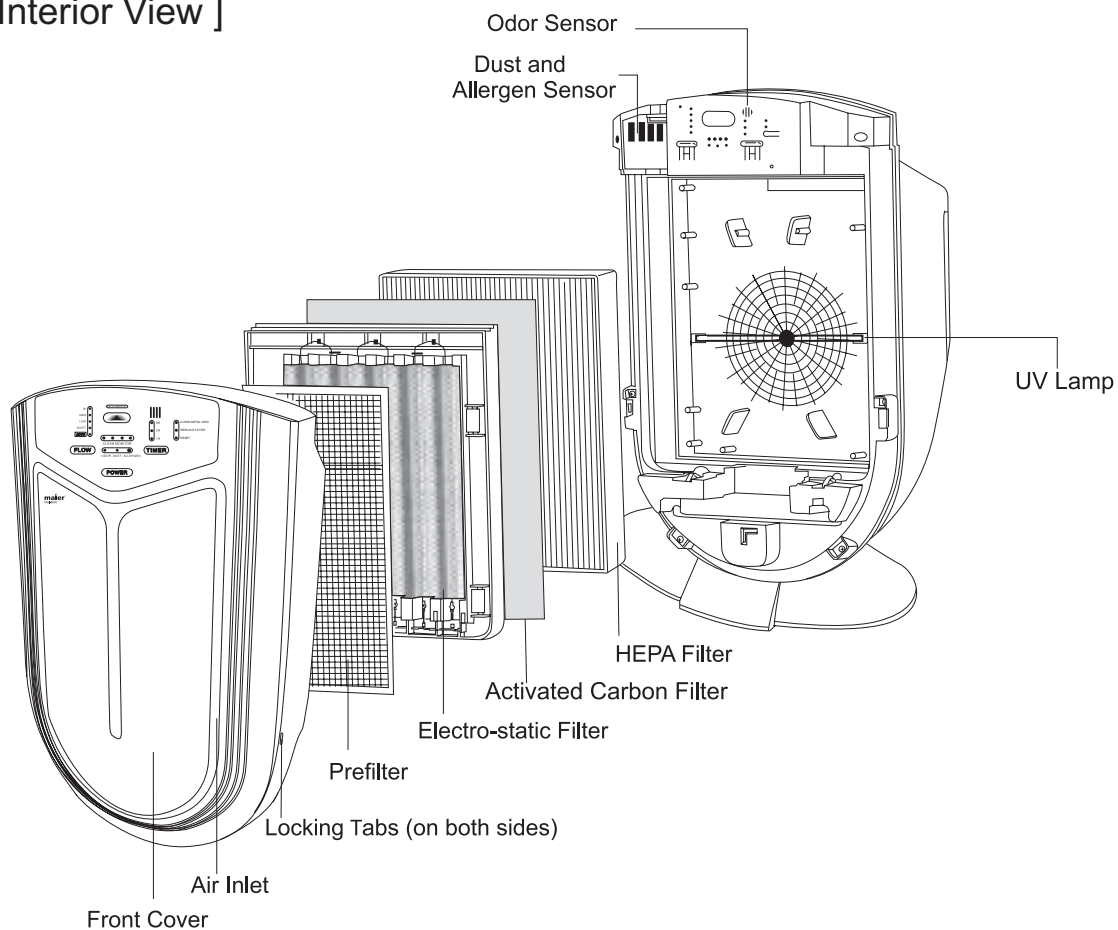


Back and Interior View

[Back View]



[Interior View]

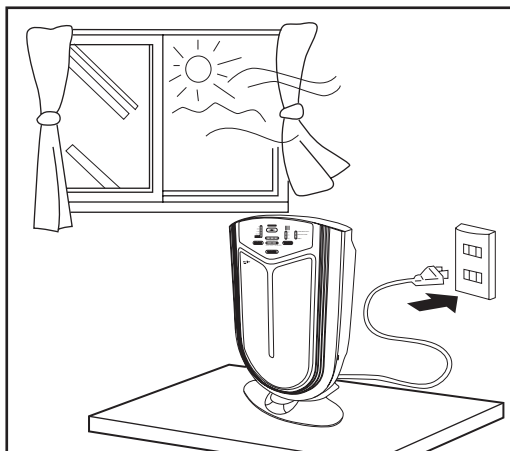


Before Use

Air Ventilation

- ※ Please open windows for air ventilation before plugging in the unit. Strive to maintain an environment of fresh indoor air.

Open Windows for Air Ventilation



- ※ After plugging in, the unit sensor will retain a memory of the existing indoor air condition (The existing indoor air condition will be input as "Clean Air").
- ※ Once started, the odor indicator will blink as it memorizes the existing fresh air condition. After two minutes, the indicator will go off to indicate an end of memorization. Whenever the unit is unplugged, all memorized content will be erased.
- ※ If the unit is turned on two minutes after plugging in, the odor sensor indicator will not blink.
- ※ Sometimes the sensor is not as sensitive as when first purchased or after being unplugged for over a week. But the sensitivity of the sensor will recover after one to two days of operation.

Control Panel Indicators

Negative Ion Indicator

- During the process when negative ions are generated, the blue indicator will gradually change from bright to dim and from dim back to bright every 5 seconds.

Odor Indicator

- The odor indicator will glow whenever the odor sensor detects odor (such as indoor smoke).

Dust and Irritant Indicator

- The dust-and-irritant indicator will glow whenever dust or other irritants are detected.

Air Quality Surveillance

- Whenever odor, dust, or irritants are detected, the air quality surveillance function will indicate the level of pollution. When pollution is severe, all LED will glow.

[Example]



No pollution detected



Some pollution detected



Severe pollution detected

Operating Instructions

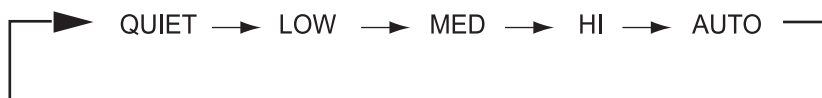
- ※ Place the device at least 30cm from the wall and where children cannot touch within a short range of distance.

How to Start

- Plug into a proper socket. Press the POWER ON/OFF button. The device starts operating as the negative ion UV indicator is on. Press POWER ON/OFF again to turn off the device.

Fan Modes

- This device has five different fan modes to choose from. Please choose a proper level of circulation according to indoor air quality and room size. As you press FAN, the fan mode will change according to the number of times you press the button. The LED will show the following sequence of modes:

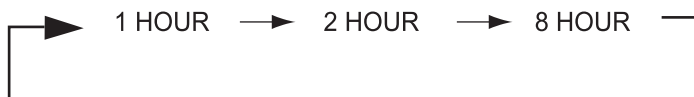


Automatic Operation

- Keep pressing the FAN button until the device runs under automatic operation (the LED will show AUTO).
- Under automatic operation, the device automatically switches to the proper running modes (MED or LOW) according to the level of odor, dust, or irritants in the air as detected by the sensor. As the air is purified, the device will automatically switch back to LOW or QUIET modes.

Timer ON/OFF

- Press AUTOTIMER button to set operation duration.
- Under the AUTOTIMER function, the operation duration will be set according to the number of times you press the AUTOTIMER button. The LED will show the following sequence of timing:



ION-UV ON/OFF

- Press ION-UV button to set operation of ion.

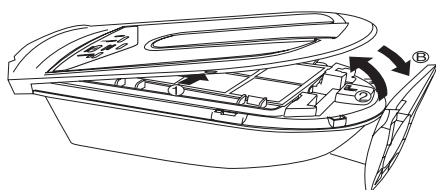
Cleaning and Maintenance

- ※ During cleaning and maintenance, please turn off and disconnect the plug from the power outlet.
- ※ Cleaning and maintenance every 2 to 3 months is recommended.

Disassembling the device

- Carefully lay down the device with the front facing up, open the device according to the following 4 steps (Assemble the device back together with the same steps but in the opposite sequence):

1. Open the front cover



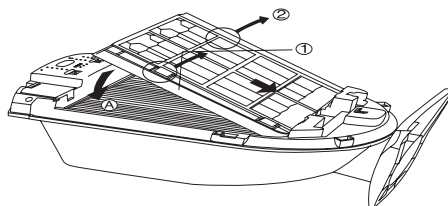
A Please attach firmly at the connecting locations

- ① Press the locking tabs on both sides of the device
- ② Gently lift up the front cover

When assembling

- ③ Firmly reconnect the front cover back to its original position
- ④ Make sure the two locking tabs are reattached properly

2. Removing the plasma dust collector

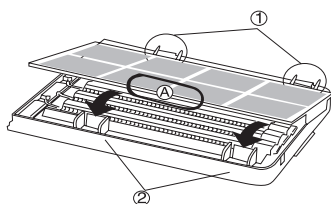


- ① Push the plasma dust collector towards the bottom of the device
- ② Hold the two tabs and lift up the dust collector

When assembling

- ① Push the plasma dust collector towards the bottom of the device
- ③ Insert into position A

3. Removing the front filter

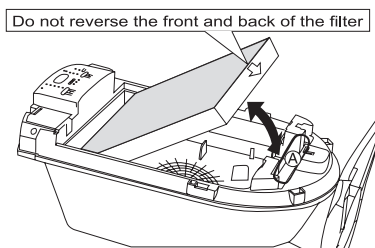


- ③ Hold position A and lift up the front filter

When assembling

- ① Attach the filter to the connecting locations on the side
- ② Fasten the filter on the front connecting locations

4. Removing the high-performance filter



- ③ Insert your hand into position A and pull out the filter
- ※ When replacing filter, please ensure that the filter is installed correctly with the front-and-back direction as indicated on the sides of the filter. Do not reverse the front and back of the filter.

Cleaning and Maintenance

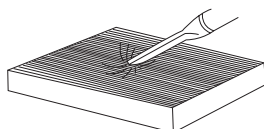
Dust sensor cover

- Use a dry cloth to remove all the dust from the sensor cover.
(Refer to page 9 for more details)

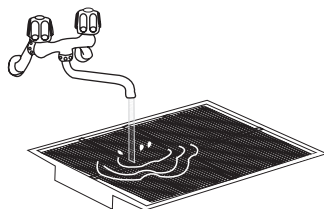
- Use a dry towel or air to blow away the dust.

Activated Carbon HEPA Filter

- Use a vacuum cleaner to eliminate dust on the filter.
- For replacement of filter, refer to page 7 .

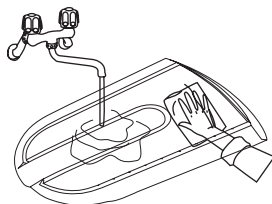


Prefilter



- Can be cleaned under flowing water.
- Do not clean with hot water.

Unit front cover



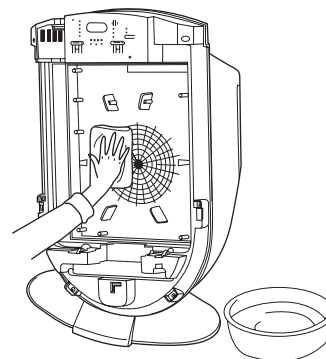
- Can be cleaned under flowing water.
- Please use a soft cloth to clean to avoid scraping or scratching the coating on the cover.
- Avoid cleaning with hot water or rubbing with excess force.

Please refer to page 7 for assembling and disassembling of the unit.

Electro-static Filter

(Refer to page 10 for cleaning)

Unit body



- Remove UV lamp before cleaning
- Use a slightly damp cloth to wipe & clean

UV light

Cleaning and Maintenance

Cleaning and Maintenance of the Dust and Irritant Sensor

※ The dust sensor will need to be cleaned periodically. If the Dust and/or Allergen sensor continues to remain lit, then this may be a sign that the dust sensor requires cleaning. A dirty dust sensor may also prevent the unit from lowering to LOW or QUIET mode while it is on AUTOMATIC operation.

CLEANING STEPS

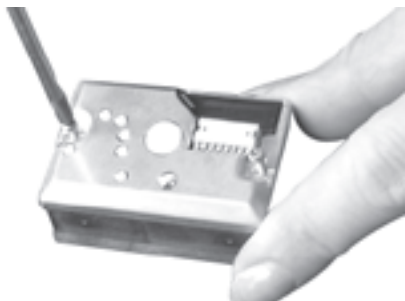
1. Remove the front cover and the dust sensor cover.



2. Take out the dust sensor and carefully unplug its connecting cord. Make note of how it is plugged in.



3. Unscrew the sensor cover using a small screwdriver. Remove the cover and sensor.



Cover

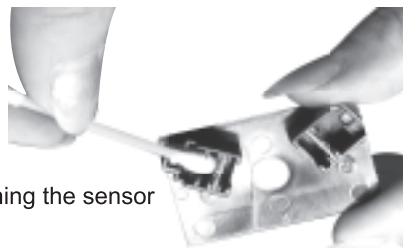


Sensor

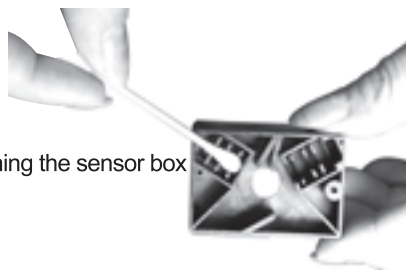


Sensor box

4. Thoroughly clean the sensor (especially the emitter, receiver and the transparent part) and the sensor box.



Cleaning the sensor



Cleaning the sensor box

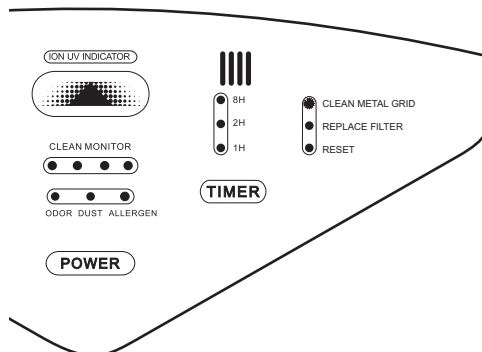
5. Put back the sensor correctly after cleaning, make sure that the cord is reconnected in the correct direction.

Cleaning and Maintenance

Cleaning and maintenance of the plasma dust collector

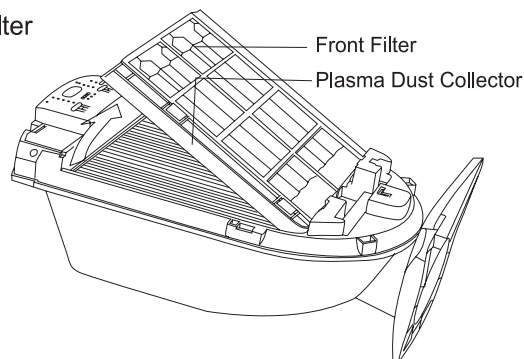
Please clean and maintain when:

- The cleaning indicator is glowing or blinking.
- The dust collector is making sound of electrical discharge.
- The device has been used frequently in an area with lower air quality condition.



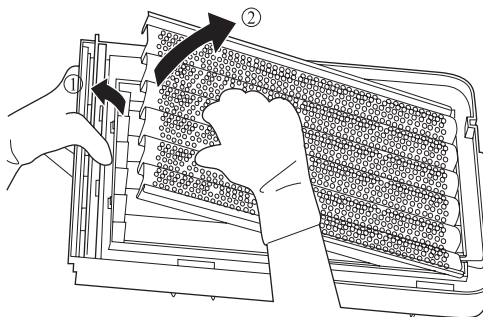
1. Remove the plasma dust collector and the front filter

Please refer to page 7 for the disassembling of front cover and the plasma dust collector.



2. Take out the plasma dust collector

- ※ Please wear protective gloves to avoid any cuts on your fingers.

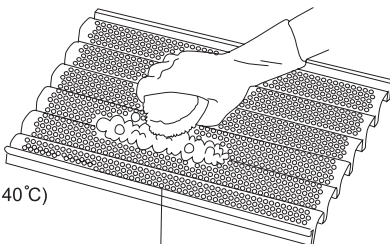


Cleaning and Maintenance

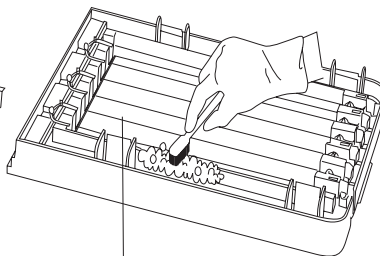
Cleaning and maintenance of the plasma dust collector

3. Clean the plasma dust collector

- use mild detergent that is of neutral acidity
- use a scouring pad or toothbrush to clean the dust collector
- achieve better result with warm water (below 40°C)

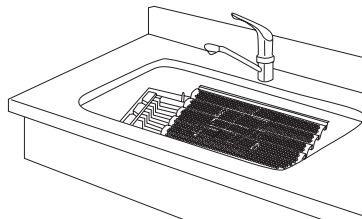


Plasma Dust Collector



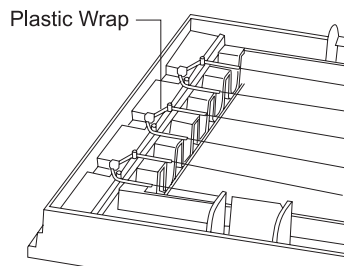
Electrical Discharge Wire

- If the dirt is hard to remove, pre-soak in diluted detergent and then use a toothbrush to clean.
- ※ Please be careful not to damage any wiring while cleaning the dust collector. If any electrical discharge wire is broken, the device will lose part of, or all of its dust collecting function
- ※ Any broken wire should be removed or discarded instead of being left inside the unit. Otherwise this would result in a short-circuit or high-voltage spark. Also, the circuit control of the device would be affected.
- ※ Please contact the distributor if you want to purchase additional electrical discharge wire
- ※ Please do not clean using acidic or alkaline detergent that can cause rusting on the surface of device



4. Thoroughly clean and dry

- ※ After cleaning, please ensure that the unit is completely dry before use. Otherwise, it could cause electrical shock or malfunction
- ※ If the front cover of the plasma dust collector is not properly installed, no electricity will be connected
- ※ Please make sure the plastic wrap for the electrical discharge wire is located at its proper position



Cleaning and Maintenance

Replacing filters

- Please change filter when the FILTER REPLACE indicator is glowing.
- ※ Please refer to page 7 on how to replace filters.

Replacing the UV lamp

- The life span of the UV lamp is about 5,000 hours. Replace the UV lamp when it is not functioning, damaged or when no blue light is observed.
- Remove the front cover, plasma dust collector and filters before replacing the UV lamp (refer to page 7 on how to disassemble).
- Carefully twist the UV lamp, remove the lamp tube from its position, and replace with a lamp tube of the same model.

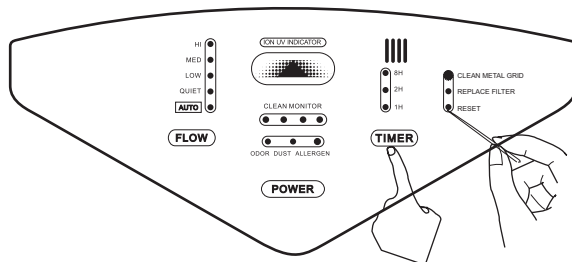
Resetting

- ※ After cleaning and replacing filters, please reset the PIN CLEAN and FILTER REPLACE indicators. Otherwise the two indicators would remain glowing after turning on the unit.
- ※ The unit should remain being plugged in the socket with the power turned off during this resetting operation.
- ※ Please use a toothpick or other pointed object to depress the FILTER READY button inside the unit.

How to reset

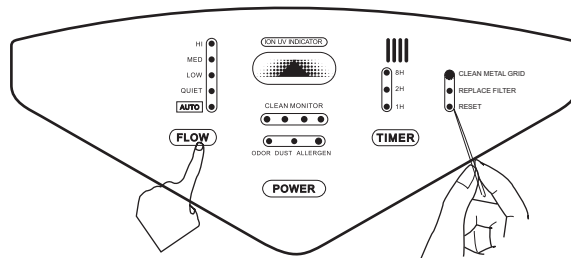
1.CLEAN METAL GRID Indicator

- With the unit turned off, the resetting process for CLEAN METAL GRID indicator is done by pushing both the RESET and the TIMER buttons at the same time.



2.REPLACE FILTER Indicator

- With the unit turned off, the resetting process for REPLACE FILTER Indicator is done by pushing both the RESET and the FLOW buttons at the same time.



Frequently Asked Questions

Air Quality Sensor

Why there is only one LED glowing all the time on the air quality sensor function?

- Indoor air has been clean the whole time
- For testing purpose, dust either caused by a cigarette or a dusty cloth can be created near the irritant sensor. If the level of pollution goes up, then the unit should be operating properly.
- The irritant sensor could be too far away from any irritant for it to detect. Please locate the unit closer to the source of pollution

Why does the air quality sensor indicator always have two LED glowing?

- Possibly because the room is not under a closed environment and pollution keep coming in from outside. Or, the source of pollution was created indoor (e.g.smoking).
It takes some time to achieve a clean environment with only one indicator LED on.

Why does the air quality sensor function keep switching back and forth frequently?

- Sometimes the Irritant Sensor is affected by cell phones or other wireless equipments.
Use a phone or other wireless equipment away from the unit.

Dust and Irritant Sensor

Why does the Dust and Irritant Sensor keep blinking?

- Since the top of the sensor accumulates more dust, This will decrease the efficiency of the sensor. Please refer to page 8 for the cleaning of the sensor.

Odor Sensor

Why is the Odor Sensor not working?

- Please let the sensor retain in memory a fresh air condition (refer to page 4 on details under Before Use).
- When first purchased or when the unit has been unplugged for over a week, the sensor will not be as sensitive. After 1 to 2 days of operation, the sensor will regain its sensitivity.

Frequently Asked Questions

Filter

Why is the filter not getting rid of dust and odor effectively ?

- Please check the front and back of the filter have been mistakenly reversed?
- The filter is saturated with dust. Please replace filter.

Plasma Dust Collector

Why is it so difficult to eliminate dust and odor?

- The electrical discharge wires or the plasma dust collector is too dirty.
Please refer to page 10 on how to clean and maintain.
- Has any electrical discharge wire been disconnected or broken? Please fix it or contact the distributor for additional purchase.

Cannot turn on the unit

Why is the unit not working even after turning it on?

- Check and make sure that the power cord is securely connected to the power outlet.
- Please ensure that the unit has been properly reassembled after cleaning and maintenance.
- The unit will not operate if the plasma dust collector or the front cover is not properly installed.

Applicable Areas

- ※ The unit is applicable for any room with a size of 70 to 90 square meters. It can be used in the bedroom, sitting room, office, hotel, hospital etc.
- ※ If the unit is to be used in a smaller room, you may prefer to have the setting on medium or low.

AFTER SALES SERVICE

- In case of any malfunction, contact your distributor or send the unit to a local maintenance center.

TECHNICAL SPECIFICATIONS

Rated voltage Europe AC230V/50Hz

Power consumption: 80W

Ion output: $\geq 2 \times 10^6 / \text{cm}^3$

Active oxygen output: $\leq 0.05 \text{ ppm}$

UV spectrum: $\geq 20 \mu\text{W} / \text{cm}^2$ (at 10cm distance)

Dust removal rate: 0.3micron80%/1micron99.97%

Noise level(dB): Quiet20 Low35 Med45 High52

Air volume: MAX3.0m³/MIN

Dimensions: 343x 255 x 610mm

Weight: 6850g

Applicable area: 70m²-90m²

GUARANTEE

Product	Bio-HEPA Hybrid Air Purifier		Date of Purchase	
			Period of Guarantee	One year from the date of purchase
Customer	Add. & Tel			
	Name			
Store	Name & Add. of the store			

- (1) This product passes strict tests prior to leaving the factory. Customers could, within one year from the date of purchasing, enjoy free repair or replacement of parts if it is checked by our company that malfunction or damage to the device and/or parts occurred under normal running condition.
- (2) The guarantee does not cover the damages that are attributed to self dismantling and assembling, unauthorized operation not found in the instructions, random change of power source and/or voltage, artificial causes and natural disasters.
- (3) Date (s) on this guarantee and the purchase invoice will be used to determine the validity of one year free maintenance.

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